

## THE MINES OF ARIZONA

This department is under the direction of Mr. W. E. Defty, the well known mining engineer, who will carefully scrutinize all matters relating to mining in order that only reliable information regarding legitimate enterprises shall find a place here.

The Republican would be pleased to receive information from any part of the state regarding the development of the mining industry. All communications should be addressed: Mining Department, Arizona Republican.

### REPORTED RICH ORE STRUCK AT SUPERIOR

It is reported that the C. & A. have cut into a rich body of sulphide ore in the east crosscut in their shaft at Superior. It is said two and a half feet resembles the Magma carbonate and that nine feet is high grade chalcopyrite.

On direct inquiry from a source interested in the property, we found that such were not the facts. The workings have disclosed the apices of several dykes of altered rocks, one carrying manganese oxide and silver. A compact gray quartzite charged with fine iron pyrite. Also a wide area of porphyry highly stained with iron oxide and evidently an intensely altered and crushed quartzite. This area is about forty feet wide and charged with copper carbonate. There appears to be a very extended altered condition exposed by the workings and which are entirely absent on the surface. The ground cut through suggests that the apices of the mineral bearing bodies have been encountered and that greater depth will have to be obtained before it is possible the permanent ore bodies can be proven.

**ANOTHER PROPERTY TO OPERATE**

Word comes direct that development work will be commenced on the Gila Canon Copper company's property within the next ten days. Star churn drills will be utilized to prove

the ground. These have already been purchased and are expected to be in operation by the time stated.

The Gila Canon used to be known as the Schneider group and is located in the Banner mining district, not far from Christmas and about four miles from the Arizona & Eastern railroad. There are 16 claims in the group, but the property has not received a great deal of development, although quite a little ore has been shipped. Some was treated at the Saddle Mountain Smelter and probably 5,000 tons have been shipped to other smelters. George B. Chittenden, the original owner of Christmas, had the property under option. Then the Development Company of America, who allowed their option to lapse. This property was always considered meritorious. The organization now acquiring the property is solid and financially strong and will develop the property as extensively as the showings warrant. F. M. Benedict of this city negotiated the deal with the Utah investors.

### COPPER PRODUCTION

The Detroit Copper Mining company at Morenci reports for the month of June a production of 2,100,000 pounds of copper. This production is from one furnace, considered the largest in the state.

### Shannon

The Shannon Copper company production for June was 1,656,000 pounds of copper.

### Arizona Copper Co., Ltd.

The new smelter of this company produced during the month of June 2,742,718 pounds of copper.

### PATAGONIA

The Three R mine is shipping from 25 to 50 tons of high grade copper ore daily. The ore goes to Douglas for treatment.

The World's Fair mine averages a shipment of about two carloads of rich ore per week.

### COPPER IN NATIVE STATE

Douglas—What is considered by local mining men as a most important find is the discovery of a large body of native copper in the Swissheim mountains, eighteen miles east of Douglas, at a depth of about eight feet, the discovery being made by Porter Morris, a rancher in the Silver Creek district, who has located forty odd claims in the immediate vicinity.

### SUPERIOR

The Magma Copper company has a crew of surveyors making a survey for a railroad from a point on the Arizona Eastern to a point in the foothills at the edge of the desert, from which point to the Magma mill a tram line will be surveyed. Just recently the company completed the survey of a new wagon road to Ray, the estimated cost of which will be approximately \$50,000. The company is making these surveys with the idea of providing means of getting their concentrates to the smelter at Hayden at the minimum cost for transportation. When the surveys now under way are completed and the estimates

made the company will be in possession of facts upon which to base their future operations in the matter of providing a means of transportation.

It is believed generally that the route to Miami will be the one decided upon.

### ACQUIRED PLACER GROUND

It is reported that California people, who have visited and revisited the district for several months, have acquired 1,500 acres in and around Antelope creek, near Stanton and under Rich Hill. The area is situated about nine miles from Congress Junction. Gold has been placed all around Rich Hill and men get into the gulches after every rain and secure placer gold. Only a few months ago a nugget was found of the value of \$135.

### BENEDICT SUES FOR FIFTH OF A MILLION

Mining Operator Names L. A. Copper Company as Defendant in Big Action

Suit for damages approximating over a fifth of a million dollars was yesterday instituted in the superior court by Frank M. Benedict of Phoenix against the London-Arizona Copper company and the London-Arizona Consolidated Copper company. The plaintiff seeks to recover a commission upon a mining deal alleged to be due him.

Benedict alleges in his complaint that he was engaged by C. E. Finney, president of the defendant corporations, to interest Volney D. Williamson, a wealthy capitalist, in a mining transaction. A deal was made and the defendants received 784,100 shares of stock in the new corporation together with \$100,000 in cash from Williamson.

Benedict further alleges that he was guaranteed a ten per cent. commission upon the proportions of the transaction, but that his every demand for his compensation has been refused. He estimates the value of the 784,100 shares of stock alleged to be due him at \$250 a share, or a total of \$196,025. In addition, he seeks the recovery of \$10,000 in special damages from each of the defendants. The suit was filed through the office of Morrison & Dupen, attorneys of Phoenix.

**Phelps Dodge Keep Stretching Out**

From Gleason has come a report that the Phelps-Dodge company has taken a bond and lease on the famous old Black Diamond mine. This property once was a heavy producer. The ores of the Gleason district are more or less refractory, carrying considerable garnet. On the west dump are several thousand tons of ore, said to sample 2 1/2 per cent. copper and seven ounces of silver, possibly capable of profitable treatment at the Douglas smelter, with which the camp is directly connected by railroad. It is said that good values also remain in the smelter slag. The shaft is 300 feet deep, and is in good condition.

### Miami Dividend

The Miami Copper company declared the regular quarterly dividend of 50 cents per share, payable August 15 to holders of record August 1.

### Cananea Closed Down

The trees at Cananea have been drawn, the mines shut down and stores and other places closed pending a shut down of an indefinite period. The only thing in operation was the Capote pump; since then the pumpman, a Mexican, was stabbed to death. The men made some impossible demands and they were evidently made with a full knowledge that the company wouldn't accede to them. The men will lose more than the company, for the latter cannot be hurt much at the present low price of copper. It's better to keep it in the ground. All the mines in the district followed the action of the company. The Democratic smelter and mines closed down as well as the store. The Calumet and Sonora did the same. The only thing that is left open is the company's hospital, evidently in anticipation of it's being needed.

### Confirmation of Tombstone Sale

As predicted in our notes last week, the following appeared a few days after their writing:

"The Tombstone Consolidated Mining Co. properties at Tombstone have passed formally to the hands of Walter Douglas, whose bid of \$500,000 was ordered accepted. It has been understood that Mr. Douglas made the purchase for the Phelps-Dodge Co., of which he is general manager, in which event there will be subsequent transfer of title.

"The latter was ordered prepared and delivered to Mr. Douglas. The order came from Daniel MacFarland, receiver, and A. L. Grow, trustee in bankruptcy, who have had

charge of the proceedings in their lengthy and intricate windings through the courts.

"It was announced at the offices of Mr. Douglas that Dr. Emil Grebe would be in charge at Tombstone as superintendent of the properties. His first assistant will be John Davis. Both gentlemen have long been associated with the geological and engineering division of the Copper Queen and Phelps-Dodge in the district, at Globe and elsewhere. Dr. Grebe is conceded one of the very best informed persons in the west as to ore-producing formations and methods of reaching and profiting from these. Others of the official family who will go to the Tombstone properties, have not yet been announced.

"It is understood that operations at the Tombstone properties will begin with a small force of men. It is indicated that there is a good deal of prospecting to be done and that the management will feel its way along very carefully."

All of the district has been under location for many years. Old timers have held their claims, these have been bonded to the company or the owners are awaiting development work of the new owners of Tombstone Consolidated to enhance their holdings. There seems to be but little doubt of a bright future for old Tombstone.

### Christmas Mines About to Be Sold

Current rumor is to the effect that the Christmas property near Winkelman is to be sold at receiver's sale and that the property is to be reopened shortly. The property is under the control at present of the Development Company of America, from whom the Tombstone Consolidated was recently purchased by the Copper Queen at receiver's sale. The property was purchased from the Saddle Mountain Mining Company of America and reorganized under the laws of Arizona, capitalization \$2,500,000, shares \$10 par, non-assessable, of which \$1,207,500 were issued. The new company has spent about \$275,000 in development work and paying off floating debts of former owners.

The Christmas mine is at the junction of Christmas canyon with the Gila river on the north side of the stream, eight miles northeast from Winkelman. The mine was opened, 1883, but closed 1884, because it was found to be located on the San Carlos Indian reservation, and remained idle until the land was restored to the public domain by order of the president on December 2, 1902. The property covers an area of heavily bedded white and gray carboniferous limestone and shales in various stages of alteration, which has been intruded by a gray birdseye porphyry.

Development has been carried on by four shafts, a maximum depth of 550 feet having been attained, an excellent grade of boronite being encountered at this depth. The mine has about 16,000 feet of workings, with a large amount of ore in sight. The management estimates give 400,000 tons in sight. The mine equipment includes a 90-horsepower steam plant, with four hoists of 10 to 175 horsepower. During 1907, the old company produced 1,751,284 pounds of copper, 7,453 ounces of silver and 254 ounces of gold.

### MINING CONGRESS CALLED LONDON

Acting on the proposal of the United States government, Great Britain has decided to summon next year an international conference in order to obtain a fuller interchange of views and co-operation between the mining departments and experimental stations of the mining nations of the world in regard to questions of safety in mines.

### RESULT SPECTACULAR WILDCAT MINING

Burden Gaylord, who at one time was interested in mining in several places in California and Mexico, was haled into a Los Angeles court last week on a charge of failing to provide for his eight-year-old daughter. He told a hard luck story to the judge. He had gone into rubber and lost and then tried to bolster up his fortune by investing heavily in Mexican mines. In two deals he lost about \$300,000 and wound up \$40,000 in debt. The gentleman referred to had a ruined career. He went into schemes that he could not carry out. He was surrounded by a human leech or two who bled him for all he was worth, pretending to give him advice. They not only bled him, but the other side as well. Probably \$800,000 would be nearer the mark which he spent of his client's money. It simply flowed like water. While Death Valley Scotty was haled up before the courts in Los Angeles it came out in evidence that Gaylord had financed Scotty in some of his foolish wild flights across the continent. One time Gaylord would sumptuous offices in Los Angeles. He would lean back in his finely upholstered chair like a nabob and hand you out a fine thin cigar which cost 75c by the box, say but little and look wise. When he did speak, it was always of the importance of himself and what he was associated with.

### BISBEE MINER ELECTROCUTED UNDER ROCK

Bisbee—Monday afternoon George Love, a miner in the Clear shaft of the Copper Queen company, was killed at his work under unusual circumstances. He was caught under a fall of rock in a drift and was pinned down under the fragments of a boulder. It is apparent, however, that death was not due to crushing, but to electrocution, for the rock bore down with it, across the unfortunate man's body, a naked power wire carrying a high voltage of electricity. Head was at hand immediately, but the man was dead when dragged from under the debris.

### JOHN HAYS HAMMOND SUE

New York—A suit to recover 1,210,000 shares of the common stock and 210,000 shares of the preferred stock of the International Petroleum company of this city, which it is alleged was obtained through collusion

and fraud, was today filed in the state supreme court against John Hays Hammond, the financier of Gloucester, Mass. Judge Geigerich appointed a referee to hear the testimony.

### BIG SUIT STARTED

This week C. G. Cole, as administrator of the estate of Eleanor G. Cardwell, has filed suit against the Arizona Copper Co. for \$55,531.45. Cardwell was killed last August in the Coronado incline accident. He was an electrician employed by the A. C. and his heirs allege that that amount of money represents what he had a reasonable expectancy of earning if he had lived. The case will probably come to trial in the October term of court.

Joseph E. Morrison and O. T. Richey of this city are retained as attorneys in the case.

### A CALIFORNIA DIAMOND

Placerville, Calif.—A California diamond weighing three-fourths of a carat was found near here today by Frank Jones, a prospector, who was panning for gold. Old-timers say that such discoveries were common enough in the early placer days.

### COAL IN ARIZONA

The following regarding coal in Arizona has appeared previously in the columns and has generally gone the round of all the papers. However, here it is again:

"There are two coal areas in Arizona, according to the reports of the U. S. Geological Survey. One of these lies in the Hopi and Navajo reservations about 75 miles north of the Santa Fe railroad. This deposit lies in two strata, both of which are about seven feet thick. The coal has been mined at Tuba, Oraibi and Keams Canyon for use at the Indian schools. Specimens have been analyzed and declared to be superior coal. It is estimated that this field covers 3,370 square miles and contains about 8,000,000,000 short tons. The other field lies near Pinedale, in Navajo county. It covers about 500 square miles. The coal is of good quality, but there has been little prospecting so far."

Our irrepressible friend, the Colonel, is now out for something new. He has announced his candidacy in the Gazette, and this is how it reads:

"FOR SHERIFF—I announce my candidacy for the office of Sheriff of Maricopa County at the Democratic Primary Election, September 8, 1914.—Fred H. Bowler, 'Miner of All Mines.'"

A real miner is good in any position you put him, equally in an upper, down, over or face, square setting or round stalling, and lots of them have made good sheriffs, and why not the Colonel. He is going to make the trial, any way. If he succeeds in being nominated, we will see how he succeeds in office if he should be elected. We are rather partial to the boys of the mines, any way.

### THE NORTHERN STRIP OF ARIZONA

In last week's issue we referred to the discovery of borax in the Baria plateau and spoke of the inaccessibility of that region, and that the general route was by Lee's Ferry. A few days after writing the article, the following appeared in the Journal-Miner. The Kaibab plateau is south of the Baria plateaus.

"TO UNLOCK DOOR OF UNKNOWN REGION

"That section of the state lying north of the Grand Canyon and known as the 'Arizona Strip,' for the first time in its history is to be subjected to an official investigation of its varied resources.

"Dr. C. C. Jacobs of Washington, of the U. S. Geological Society, and Professor A. C. McOmie of the agricultural department of the state university, left Prescott yesterday for that land of which so little is known. They are to enter the eastern end of the Kaibab plateau, and

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31x3 1/2	11.20	35x4 1/2	22.50
32x3 1/2	11.70	36x4 1/2	22.50
34x3 1/2	11.70	37x4 1/2	23.50
36x3 1/2	12.20	38x4 1/2	24.00
30x4	14.00	42x4 1/2	25.00
31x4	15.30	34x5	20.00
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Points of Interest Near Flagstaff

Grand Canyon	.....65 miles
Extinct volcanoes	.....18 miles
Lava beds	.....18 miles
Ice caves	.....16 miles
Prehistoric cliff dwellings	10 miles
Cave dwellings	.....10 miles
Oak Creek trout stream	.....18 miles
Montezuma's well	.....50 miles
San Francisco peaks	.....12 miles
Elevation 13,900 feet	.....
Altitude of Flagstaff	.....8907 feet
Prehistoric ruins	.....85 miles
Natural Bridge	.....75 miles

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